SUBMISSION ID: 1082922 STATUS: FACILITY: Emerald BioEnergy PERMIT N LOCATION: 2881 Co Rd 156 STATION (

Cardington, OH 43315 MONITO

COUNTY: Morrow DISTRICT: CDO

STATUS: Original PERMIT NUMBER: 4IN00204\*BD STATION CODE: 581

MONITORING PERIOD : 2021-08-01 To: 2021-08-31

REPORTING LAB: N/A

O ANALYST: jeffrey williamson
NO DISCHARGE INDICATOR: AL

| PARAMETER                                       | рН  | Ammonia (NH3)<br>In Sludge  | Nitrogen<br>Kjeldahl, Total<br>In Sludge   | Phosphorus,<br>Total in Sludge | Potassium In<br>Sludge                  | Arsenic, Tota<br>In Sludge | l Cadmium, Total<br>In Sludge                         |
|---|---|---|--|--------------------------------|---|----------------------------|---|
| PARAMETER<br>CODE                               | 00400   | 00611   | 00627  | 00668                          | 00938                                   | 01003                      | 01028   |
| UNITS   | S.U.  | mg/kg   | mg/kg  | mg/kg                          | mg/kg                                   | mg/kg                      | mg/kg   |
| FREQUENCY                                       | 1/Month   | 1/Month   | 1/Month  | 1/Month                        | 1/Month                                 | 1/Month                    | 1/Month   |
| SAMPLING<br>TYPE                                | Composite   | Composite   | Composite  | Composite                      | Composite                               | Composite                  | Composite   |
| 2021-08-01                                      |   |   |  |                                |   | 1                          |   |
| 2021-08-02                                      |   |   |  |                                |   |                            |   |
| 2021-08-03                                      |   |   |  |                                |   |                            |   |
| 2021-08-04                                      |   |   |  |                                |   |                            |   |
| 2021-08-05                                      |   |   |  |                                |   |                            |   |
| 2021-08-06                                      |   |   |  |                                |   |                            |   |
| 2021-08-07                                      |   |   |  |                                |   |                            |   |
| 2021-08-08                                      |   |   |  |                                |   |                            |   |
| 2021-08-09                                      |   |   |  |                                | *************************************** |                            |   |
| 2021-08-10                                      |   | <b>_</b>  |  |                                |   |                            |   |
| 2021-08-11                                      |   |   |  |                                |   |                            |   |
| 2021-08-12                                      |   |   |  |                                |   |                            |   |
| 2021-08-13                                      | ***************************************                             |   |  |                                |   |                            |   |
| 2021-08-14                                      |   |   |  |                                |   |                            |   |
| 2021-08-15                                      |   |   |  |                                |   |                            |   |
| 2021-08-16                                      |   | 8   |  |                                |   |                            |   |
| 2021-08-17                                      |   |   |  |                                |   |                            |   |
| 2021-08-18                                      |   |   |  |                                |   |                            |   |
| 2021-08-19                                      |   |   |  |                                |   |                            |   |
| 2021-08-20                                      |   |   |  |                                |   |                            |   |
| 2021-08-21                                      |   |   |  |                                |   |                            |   |
| 2021-08-22                                      |   |   |  |                                |   |                            |   |
| 2021-08-23                                      |   |   |  |                                |   |                            |   |
| 2021-08-24                                      |   | <b></b>   |  |                                |   |                            |   |
| 2021-08-25                                      |   | -   |  |                                |   |                            |   |
| 2021-08-26                                      |   | <u> </u>  |  |                                |   | <b></b>                    |   |
| 2021-08-27                                      |   | -   |  |                                | *************************************** | <b></b>                    |   |
| 2021-08-28                                      | ***************************************                             |   |  |                                | *************************************** | <b></b>                    |   |
| 2021-08-29                                      |   | <b>.</b>  |  |                                |   | <b></b>                    |   |
| 2021-08-30<br>2021-08-31                        |   |   |  |                                |   |                            |   |
|   |   |   |  |                                |   |                            |   |
| Minimum   |   |   |  |                                |   |                            |   |
| <u>Maximum</u>                                  | 000000000000000000000000000000000000000                             |   | ***************************************  |                                | 200000000000000000000000000000000000000 |                            | ***************************************               |
| Average   | ***************************************                             |   |  |                                | *************************************** |                            |   |
| Count   |   |   |  |                                |   |                            |   |
| Name of Respo<br>Official or Auth<br>Representa | norized <sub>have I</sub><br>tive <sub>familia</sub>                | fy under the per<br>personally exami<br>ar with the infor<br>tted herein and  | ined and am<br>mation  | I Signature o<br>Authori       | f Responsible<br>zed Represent          | Official or<br>ative       | Submission<br>Date/Time                               |
| Jeffre<br>Williams                              | inquir<br>immed<br>the inf<br>submi<br>and co<br>are siq<br>false i | y of those individiately responsile formation, I belicated information omplete. I am awaynificant penalticant penalticant penalticant of fine and | duals ble for obtaining eve the is true, accurat are that there es for submittin uding the | re                             |   |                            | Certification<br>Version Date<br>2021-09-<br>20 10:09 |

Page 1

SUBMISSION ID:1082922STATUS:OriginalFACILITY:Emerald BioEnergyPERMIT NUMBER:4IN00204\*BDLOCATION:2881 Co Rd 156STATION CODE:581

Cardington, OH 43315 MONITORING PERIOD :

COUNTY:MorrowREPORTING LAB:N/ADISTRICT:CDOANALYST:jeffrey williamson

NO DISCHARGE INDICATOR: AL

|                   |   |          |   | N                           | O DISCHARGE I                           | NDICATOR:                    | AL                                      |   |
|-------------------|---|----------|---|-----------------------------|---|------------------------------|---|---|
| PARAMETER         | Copper, 1<br>Slud                       |          | Lead, Total In<br>Sludge                | Nickel, Total In<br>Sludge  | Zinc, Total In<br>Sludge                | Selenium, Total<br>In Sludge | Sludge Fo<br>Weight                     | ee Sludge Weight                        |
| PARAMETER<br>CODE | 0104                                    | 13       | 01052                                   | 01068                       | 01093                                   | 01148                        | 51129                                   | 70316                                   |
| UNITS             | mg/l                                    | ¢g       | mg/kg                                   | mg/kg                       | mg/kg                                   | mg/kg                        | dry tons                                | Dry Tons                                |
| FREQUENCY         | 1/Mor                                   | nth      | 1/Month                                 | 1/Month                     | 1/Month                                 | 1/Month                      | 1/Month                                 | 1/Month                                 |
| SAMPLING<br>TYPE  | Compo                                   | site     | Composite                               | Composite                   | Composite                               | Composite                    | Total                                   | Total                                   |
| 2021-08-01        |   |          |   |                             |   |                              |   |   |
| 2021-08-02        |   |          |   |                             |   |                              |   |   |
| 2021-08-03        |   |          |   |                             |   |                              |   |   |
| 2021-08-04        |   |          |   |                             |   |                              |   |   |
| 2021-08-05        |   |          |   |                             |   |                              |   |   |
| 2021-08-06        |   |          |   |                             |   |                              |   |   |
| 2021-08-07        |   |          |   |                             |   |                              |   |   |
| 2021-08-08        | *************************************** |          | *************************************** |                             | *************************************** |                              | *************************************** | *************************************** |
| 2021-08-09        |   |          | *************************************** |                             |   |                              |   |   |
| 2021-08-10        |   |          |   |                             |   |                              |   |   |
| 2021-08-11        |   |          |   |                             |   |                              |   |   |
| 2021-08-12        |   |          |   |                             |   |                              |   |   |
| 2021-08-13        |   |          |   |                             |   |                              |   |   |
| 2021-08-14        |   |          |   |                             |   |                              |   |   |
| 2021-08-15        |   |          |   |                             |   |                              |   |   |
| 2021-08-16        |   |          |   |                             |   |                              |   |   |
| 2021-08-17        |   |          |   |                             |   |                              |   |   |
| 2021-08-18        |   |          |   |                             |   |                              |   |   |
| 2021-08-19        |   |          |   |                             |   |                              |   | *************************************** |
| 2021-08-20        |   |          |   |                             |   |                              |   |   |
| 2021-08-21        |   |          |   |                             |   |                              |   |   |
| 2021-08-22        |   |          |   |                             |   |                              |   |   |
| 2021-08-23        |   |          |   |                             |   |                              |   |   |
| 2021-08-24        |   |          |   |                             |   |                              |   |   |
| 2021-08-25        |   |          |   |                             |   |                              |   |   |
| 2021-08-26        |   |          |   |                             |   |                              |   |   |
| 2021-08-27        |   |          |   |                             |   |                              |   |   |
| 2021-08-28        |   |          |   |                             |   |                              |   |   |
| 2021-08-29        |   |          |   |                             |   |                              |   |   |
| 2021-08-30        |   |          |   |                             |   |                              |   |   |
| 2021-08-31        |   |          |   |                             |   |                              |   |   |
| Minimum           |   |          |   |                             |   |                              |   |   |
| Maximum           |   |          |   |                             |   |                              |   |   |
| Average           |   |          |   |                             |   |                              |   |   |
| Count             | 000000000000000000000000000000000000000 |          |   |                             |   |                              | 500000000000000000000000000000000000000 |   |
| Name of Resp      | onsible                                 | I certif | y under the per                         | nalty of law that           | I Signature                             | of Responsible (             | Official or                             | Submission                              |
| Official or Aut   | horized                                 | have n   | ersonally exam                          | ined and am                 | Author                                  | rized Representa             | ative                                   | Date/Time                               |
| Representa        | itive                                   | familia  | r with the info                         | rmation                     |   | •                            |   |   |
|                   |   |          | ted herein and                          |                             |   |                              |   |   |
|                   |   |          | of those indiv                          |                             |   |                              |   |   |
|                   |   |          |   | lauais<br>ble for obtaining | .                                       |                              |   |   |
|                   |   |          |   |                             | <sup>3</sup>                            |                              |   | Certification                           |
| Inffra            | 、, l                                    |          | ormation, I beli                        |                             |   |                              |   | <b>Version Date</b>                     |
| Jeffre            |   |          |   | is true, accurat            | e l                                     |                              |   | 2021 00                                 |
| William           |   |          | mplete. I am aw                         |                             |   |                              |   | 2021-09-                                |
| AAIIIMIII         |   |          |   | es for submittin            | g <b>l</b>                              |                              |   | 20 10:09                                |
|                   |   |          | nformation, inc                         |                             |   |                              |   | mv mVIV3                                |
|                   |   | possib   | <u>ility of fine and</u>                | imprisonment.               |   |                              |   |   |

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SUBMISSION ID:1082922STATUS:OriginalFACILITY:Emerald BioEnergyPERMIT NUMBER:4IN00204\*BDLOCATION:2881 Co Rd 156STATION CODE:581

Cardington, OH 43315 MONITORING PERIOD :

COUNTY:MorrowREPORTING LAB:N/ADISTRICT:CDOANALYST:jeffrey williamson

NO DISCHARGE INDICATOR: AL

|                          |   |  | NC   | DISCHARGE II  | NDICATOR:                               | AL          |   |
|--------------------------|---|--|--|---|---|-------------|---|
| PARAMETER                | Mercury, Total<br>In Sludge   | Molybdenum in<br>Sludge  |  |   |   |             |   |
| PARAMETER<br>CODE        | 71921   | 78465  |  |   |   |             |   |
| UNITS                    | mg/kg   | mg/kg  |  |   |   |             |   |
| FREQUENCY                | 1/Month   | 1/Month  |  |   |   |             |   |
| SAMPLING<br>TYPE         | Composite   | Composite  |  |   |   |             |   |
| 2021-08-01               |   |  |  |   |   |             |   |
| 2021-08-02               |   |  |  |   |   |             |   |
| 2021-08-03               |   |  |  |   |   |             |   |
| 2021-08-04               |   |  |  |   |   | <b></b>     |   |
| 2021-08-05               |   |  |  |   |   |             |   |
| 2021-08-06<br>2021-08-07 |   |  |  |   |   |             |   |
| 2021-08-08               | ***************************************   | ***************************************  |  | ***************************************   | *************************************** |             |   |
| 2021-08-09               | ***************************************   | 8  |  | ***************************************   |   |             |   |
| 2021-08-10               |   |  |  |   |   |             |   |
| 2021-08-11               |   |  |  |   |   |             |   |
| 2021-08-12               |   |  |  |   |   |             |   |
| 2021-08-13               |   |  |  |   |   |             |   |
| 2021-08-14<br>2021-08-15 |   |  |  |   |   |             |   |
| 2021-08-15               |   | 000  |  |   |   |             |   |
| 2021-08-17               | ***************************************   | ***************************************  |  |   |   |             |   |
| 2021-08-18               |   |  |  |   |   |             |   |
| 2021-08-19               |   |  |  |   |   |             |   |
| 2021-08-20               |   |  |  |   |   |             |   |
| 2021-08-21               |   |  |  |   |   |             |   |
| 2021-08-22               |   |  |  |   |   |             |   |
| 2021-08-23<br>2021-08-24 |   |  |  |   |   |             |   |
| 2021-08-25               |   | 9  |  |   |   |             |   |
| 2021-08-26               | •••••   | <b></b>  |  | ***************************************   |   |             |   |
| 2021-08-27               |   | g  | i  |   |   | <b></b>     |   |
| 2021-08-28               |   |  |  |   |   |             |   |
| 2021-08-29               |   |  |  |   |   |             |   |
| 2021-08-30               |   |  | ļ  |   |   | <b> </b>    |   |
| 2021-08-31               |   |  |  |   |   |             |   |
| Minimum                  | ***************************************   |  |  |   |   |             |   |
| Maximum                  |   |  |  |   |   |             |   |
| Average                  | 000000000000000000000000000000000000000   |  |  | 000000000000000000000000000000000000000   |   |             | 38000000000   |
| Count                    |   | , , , , , , , , , , , , , , , , , , ,  | 1. (1  |   | ( D                                     | 0.661-1-1-1 | Cabaciania  |
| Official or Aut          | Name of Responsible I certify under the penalty of law that I Dfficial or Authorized have personally examined and am familiar with the information submitted herein and based on my |  |  | at I Signature of Responsible Official or Submission Authorized Representative Date/Tim |   |             |   |
| Jeffre<br>William        | inquiry<br>immed<br>the inf<br>submit<br>and co<br>are sig<br>false in  | y of those indivi<br>liately responsil<br>formation, I beli-<br>ted information<br>mplete. I am aw | duals ble for obtaining eve the is true, accurate are that there es for submitting uding the | 7   |   |             | Certification<br>Version Date<br>2021-09-<br>20 10:09 |
|                          | การการการการการการการการที่ผู้การการการการการการการกา   |  |  | ***********************************   |   |             | ***************************************               |

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SUBMISSION ID:1082922STATUS:OriginalFACILITY:Emerald BioEnergyPERMIT NUMBER:4IN00204\*BDLOCATION:2881 Co Rd 156STATION CODE:582

Cardington, OH 43315 MONITORING PERIOD :

COUNTY: Morrow REPORTING LAB:
DISTRICT: CDO ANALYST:

NO DISCHARGE INDICATOR: AL

|   | ponocono                                | 000000000000000000000000000000000000000       |  | O DISCHARGE II                 | IDICATOR:                               | AL                        | *************************************** |
|---|---|---|--|--------------------------------|---|---------------------------|---|
| PARAMETER                               | pН                                      | Ammonia (NH3)<br>In Sludge                    | Nitrogen<br>Kjeldahl, Total<br>In Sludge | Phosphorus,<br>Total in Sludge | Potassium In<br>Sludge                  | Arsenic, Tot<br>In Sludge | al Cadmium, Total<br>In Sludge          |
| PARAMETER<br>CODE                       | 00400                                   | 00611   | 00627                                    | 00668                          | 00938                                   | 01003                     | 01028                                   |
| UNITS                                   | S.U.                                    | mg/kg   | mg/kg                                    | mg/kg                          | mg/kg                                   | mg/kg                     | mg/kg                                   |
| FREQUENCY                               | 1/Month                                 | ; <u>000000000000000000000000000000000000</u> | 1/Month                                  | 1/Month                        | 1/Month                                 | 1/Month                   | 1/Month                                 |
| SAMPLING<br>TYPE                        | Composit                                | e Composite                                   | Composite                                | Composite                      | Composite                               | Composite                 | Composite                               |
| 2021-08-01                              |   |   |  |                                |   |                           |   |
| 2021-08-02                              |   |   |  |                                |   |                           |   |
| 2021-08-03                              |   |   |  |                                |   | <b></b>                   |   |
| 2021-08-04                              |   |   |  |                                |   |                           |   |
| 2021-08-05                              |   |   |  |                                |   | <b></b>                   |   |
| 2021-08-06                              |   |   |  |                                |   | <b> </b>                  |   |
| 2021-08-07                              |   |   | <b></b>                                  | <b></b>                        |   | <b></b>                   |   |
| 2021-08-08<br>2021-08-09                |   |   |  |                                |   | <b></b>                   |   |
| 2021-08-09                              |   |   |  |                                |   |                           |   |
| 2021-08-10                              |   |   |  |                                |   |                           |   |
| 2021-08-11                              |   |   | <b></b>                                  |                                |   | <b> </b>                  |   |
| 2021-08-13                              |   |   | <u> </u>                                 |                                |   | <b></b>                   |   |
| 2021-08-14                              |   |   |  |                                |   | <b>i</b>                  |   |
| 2021-08-15                              |   |   |  |                                |   | <b></b>                   |   |
| 2021-08-16                              |   |   |  |                                |   |                           |   |
| 2021-08-17                              |   |   |  |                                |   |                           |   |
| 2021-08-18                              |   |   |  |                                |   |                           |   |
| 2021-08-19                              |   | 8   |  |                                |   |                           |   |
| 2021-08-20                              | *************************************** |   |  |                                | ************************************    | <b></b>                   |   |
| 2021-08-21                              |   |   |  |                                |   |                           |   |
| 2021-08-22                              |   |   | <b></b>                                  |                                |   | <b></b>                   |   |
| 2021-08-23                              |   |   |  |                                |   |                           |   |
| 2021-08-24                              |   |   |  |                                |   |                           |   |
| 2021-08-25<br>2021-08-26                |   |   |  |                                |   |                           |   |
| 2021-08-26                              |   |   |  |                                |   |                           |   |
| 2021-08-28                              |   |   | <b></b>                                  |                                |   | <b></b>                   |   |
| 2021-08-29                              |   |   |  |                                |   | <b></b>                   |   |
| 2021-08-30                              |   |   |  |                                | *************************************** |                           |   |
| 2021-08-31                              |   |   |  |                                |   | <b></b>                   |   |
| Minimum                                 |   |   |  |                                |   |                           | ····•                                   |
| Maximum                                 |   |   | <u> </u>                                 |                                |   | <b> </b>                  |   |
| Average                                 |   |   |  |                                |   |                           | 0000000                                 |
| Count                                   | 000000000000000000000000000000000000000 |   |  |                                | 020000000000000000000000000000000000000 |                           |   |
|   | onsible T o                             | ertify under the per                          | alty of law that                         | I Signature o                  | f Responsible                           | Official or               | Submission                              |
| Official or Aut                         |   | ve personally exam                            |  | Authori                        | ized Represent                          | ative                     | Date/Time                               |
| Representa                              | - grave                                 | niliar with the infor                         | mou und am<br>mation                     |                                | [                                       |                           |   |
|   | Stritt.                                 | bmitted herein and                            |  |                                |   |                           |   |
| 000000000000000000000000000000000000000 |   | quiry of those indiv                          |  |                                | 000000000000000000000000000000000000000 |                           | 000000000000000000000000000000000000000 |
|   |   | mediately responsi                            |  | ,                              |   |                           |   |
|   |   | e information, I beli                         |  | 9                              |   |                           | Certification                           |
| Jeffre                                  | 7/\                                     | bmitted information                           |  | .,                             |   |                           | Version Date                            |
|   |   |   |  | .e                             |   |                           | 2021-09-                                |
| William                                 |   | d complete. I am aw                           |  | ~ l                            |   |                           | 7071-03-                                |
| 2                                       | Scr c                                   | e significant penalti                         |  | y                              |   |                           | 20 10:09                                |
|   |   | se information, incl                          |  |                                |   |                           |   |
|   | <b>j</b> po                             | ssibility of fine and                         | ımprisonment.                            |                                |   |                           | *************************************** |

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SUBMISSION ID:1082922STATUS:OriginalFACILITY:Emerald BioEnergyPERMIT NUMBER:4IN00204\*BDLOCATION:2881 Co Rd 156STATION CODE:582

Cardington, OH 43315 MONITORING PERIOD :

COUNTY: Morrow REPORTING LAB:
DISTRICT: CDO ANALYST:

NO DISCHARGE INDICATOR: AL

|  |   |   | N                                       | D DISCHARGE II                          | NDICATOR:                              | AL                                      |   |
|--|---|---|---|---|--|---|---|
| PARAMETER  | Copper, Total In<br>Sludge              | Lead, Total In<br>Sludge                | Nickel, Total In<br>Sludge              | Zinc, Total In<br>Sludge                | Selenium, Total<br>In Sludge           | Sludge Fe<br>Weight                     | e Sludge Weight                         |
| PARAMETER CODE   | 01043                                   | 01052                                   | 01068                                   | 01093                                   | 01148                                  | 51129                                   | 70316                                   |
| UNITS  | mg/kg                                   | mg/kg                                   | mg/kg                                   | mg/kg                                   | mg/kg                                  | dry tons                                | Dry Tons                                |
| FREQUENCY  | 1/Month                                 | 1/Month                                 | 1/Month                                 | 1/Month                                 | 1/Month                                | 1/Month                                 | 1/Month                                 |
| SAMPLING<br>TYPE   | Composite                               | Composite                               | Composite                               | Composite                               | Composite                              | Total                                   | Total                                   |
| 2021-08-01   |   |   |   |   |  |   |   |
| 2021-08-02   |   |   |   |   |  |   |   |
| 2021-08-03   |   |   |   |   |  |   |   |
| 2021-08-04   |   |   |   |   |  |   |   |
| 2021-08-05   |   |   |   |   |  |   |   |
| 2021-08-06   |   |   |   |   |  |   |   |
| 2021-08-07   |   |   |   |   |  |   |   |
| 2021-08-08   | *************************************** |   | *************************************** | *************************************** |  |   |   |
| 2021-08-09   |   | *************************************** |   |   |  |   |   |
| 2021-08-10   |   |   |   |   |  |   |   |
| 2021-08-11   |   |   |   |   |  |   |   |
| 2021-08-12   |   |   |   |   |  |   |   |
| 2021-08-13   |   |   |   |   |  |   |   |
| 2021-08-14   |   |   |   |   |  |   |   |
| 2021-08-15   |   |   |   |   |  |   |   |
| 2021-08-16   |   |   |   |   |  |   |   |
| 2021-08-17   |   |   |   |   |  |   |   |
| 2021-08-18   |   |   | *************************************** | *************************************** |  |   |   |
| 2021-08-19   |   |   |   |   |  |   |   |
| 2021-08-20   |   |   |   |   |  |   |   |
| 2021-08-21   |   |   |   |   |  |   |   |
| 2021-08-22   |   |   |   |   |  |   |   |
| 2021-08-23   |   |   |   |   |  |   |   |
| 2021-08-24   |   |   |   |   |  |   |   |
| 2021-08-25   |   |   |   |   |  |   |   |
| 2021-08-26   |   |   |   |   |  |   |   |
| 2021-08-27   |   |   |   | *************************************** |  |   |   |
| 2021-08-28   |   |   |   | *************************************** |  |   |   |
| 2021-08-29   |   |   |   |   |  |   |   |
| 2021-08-30   |   |   |   |   |  |   |   |
| 2021-08-31   |   |   |   |   |  |   |   |
| Minimum  |   |   |   |   |  |   |   |
| Maximum  |   |   |   |   |  |   |   |
|  |   |   |   |   |  |   |   |
| Average<br>Count   | 000000000000000000000000000000000000000 | 000000000000000000000000000000000000000 |   | 000000000000000000000000000000000000000 | •                                      | 000000000000000000000000000000000000000 |   |
|  | oncible Toortif                         | under the re-                           | nalty of law that                       | I Signaturo o                           | of Responsible C                       | official or                             | Submission                              |
| Official or Aut  |   |   |   | Author                                  | ized Representa                        | ativo                                   | Date/Time                               |
| Representa   | and p                                   | ersonally exam                          |   | Autilui                                 | rea nehieselli                         | ACIAC                                   | ar ar ar ar 1 1111 W                    |
| vehieseille  | Bretrittier                             | r with the infor                        |   |   |  |   |   |
| \$ |   | ted herein and                          |   | \$5555555555555555555555555555555555555 | ###################################### |   |   |
|  |   | of those indivi                         |   | 8                                       |  |   |   |
|  |   |   | ble for obtaining                       | , I                                     |  |   | Certification                           |
|  | the info                                | ormation, I beli                        |   |   |  |   | Version Date                            |
| Jeffre   | <b>≥V</b> submit                        |   | is true, accurat                        | e I                                     |  |   | AGIZION DATE                            |
|  |   | mplete. I am aw                         |   |   |  |   | 2021-09-                                |
| William  |   |   | es for submittin                        | n I                                     |  |   |   |
|  |   | iformation, incl                        |   | 9                                       |  |   | 20 10:09                                |
|  |   |   |   |   |  |   |   |
| ***************************************                                      | iDOSSIDI                                | mry or thie and                         | imprisonment.                           |   |  |   | *************************************** |

Page 5

SUBMISSION ID:1082922STATUS:OriginalFACILITY:Emerald BioEnergyPERMIT NUMBER:4IN00204\*BDLOCATION:2881 Co Rd 156STATION CODE:582

Cardington, OH 43315 MONITORING PERIOD :

COUNTY: Morrow REPORTING LAB:
DISTRICT: CDO ANALYST:

NO DISCHARGE INDICATOR: AL

| PARAMETER         Mercury, Total In Sludge         Molybdenum In Sludge           PARAMETER CODE         71921         78465           UNITS         mg/kg         mg/kg           FREQUENCY         1/Month         1/Month           SAMPLING TYPE         Composite         Composite           2021-08-01         2021-08-02         2021-08-03           2021-08-04         2021-08-05 |   |
|---|---|
| CODE  |   |
| FREQUENCY         1/Month         1/Month           SAMPLING<br>TYPE         Composite         Composite           2021-08-01         2021-08-02         2021-08-03           2021-08-03         2021-08-04         2021-08-04  |   |
| SAMPLING TYPE         Composite         Composite           2021-08-01             2021-08-02             2021-08-03             2021-08-04   |   |
| TYPE Composite Composite  2021-08-01  2021-08-02  2021-08-03  2021-08-04  |   |
| 2021-08-01  |   |
| 2021-08-03  |   |
| 2021-08-04  |   |
|   |   |
| 2021-08-05  |   |
|   |   |
| 2021-08-06  |   |
| 2021-08-07  |   |
| 2021-08-08<br>2021-08-09  |   |
| 2021-08-09  |   |
| 2021-08-11  |   |
| 2021-08-12  |   |
| 2021-08-13  |   |
| 2021-08-14  |   |
| 2021-08-15  |   |
| 2021-08-16  |   |
| 2021-08-17  |   |
| 2021-08-18  |   |
| 2021-08-19  |   |
| 2021-08-20  |   |
| 2021-08-21  |   |
| 2021-08-22<br>2021-08-23  |   |
| 2021-08-24  |   |
| 2021-08-25  |   |
| 2021-08-26  |   |
| 2021-08-27  | *************************************** |
| 2021-08-28  | *************************************** |
| 2021-08-29  |   |
| 2021-08-30  |   |
| 2021-08-31  |   |
| Minimum   |   |
| Maximum   |   |
| Average   |   |
| Count   | *************************************** |
| Name of Responsible I certify under the penalty of law that I Signature of Responsible Official or  | r Submission                            |
| Official or Authorized have personally examined and am Authorized Representative  | Date/Time                               |
| Representative familiar with the information  |   |
| submitted herein and based on my  |   |
| inquiry of those individuals  |   |
| immediately responsible for obtaining   | Comidiantian                            |
| the information I helieve the   | Certification                           |
| Jeffrey submitted information is true, accurate   | Version Date                            |
| Milliams and complete. I am aware that there  | 2021-09-                                |
| Williamson and complete. I am aware that there are significant penalties for submitting   | 1                                       |
| false information, including the  | 20 10:09                                |
| possibility of fine and imprisonment.   |   |

Page 6

SUBMISSION ID:1082922STATUS:OriginalFACILITY:Emerald BioEnergyPERMIT NUMBER:4IN00204\*BDLOCATION:2881 Co Rd 156STATUS:601

Cardington, OH 43315 MONITORING PERIOD :

COUNTY:MorrowREPORTING LAB:N/ADISTRICT:CDOANALYST:jeffrey williamson

NO DISCHARGE INDICATOR: AL

| PARAMETER   |   |
|---|---|
| CODE         31028         70318         70322         80116         99981           UNITS         GPD         %         %         mg/l         lb/cf/day           FREQUENCY         1/Week         1/Week         1/Week         1/Week         1/Week           SAMPLING TYPE         Continuous         Composite         Composite         Continuous           2021-08-01         2021-08-02         Continuous         Continuous           2021-08-03         2021-08-03         Continuous         Continuous           2021-08-04         2021-08-04         Continuous         Continuous           2021-08-06         Continuous         Continuous         Continuous           2021-08-07         Continuous         Composite         Composite         Continuous           2021-08-08         Continuous         Continuous         Continuous         Continuous         Continuous           2021-08-10         Continuous         Composite         Composite         Continuous         Continuous         Continuous         Continuous           2021-08-10         Continuous         Composite         Composite         Composite         Continuous         Continuous         Continuous         Continuous         Continuous         Conti  |   |
| UNITS GPD % % mg/l lb/cf/day  FREQUENCY 1/Week 1/Week 1/Week 1/Week 1/Week  SAMPLING TYPE Continuous Composite Composite Composite Continuous  2021-08-01   |   |
| FREQUENCY         1/Week         1/We   |   |
| SAMPLING TYPE         Continuous         Composite         Composite         Composite         Continuous           2021-08-01  |   |
| 2021-08-02  |   |
| 2021-08-03 2021-08-04 2021-08-05 2021-08-06 2021-08-07 2021-08-08 2021-08-09 2021-08-10 2021-08-12 2021-08-13 2021-08-14  |   |
| 2021-08-04   2021-08-05   2021-08-06   2021-08-07   2021-08-08   2021-08-09   2021-08-10   2021-08-12   2021-08-13   2021-08-14   2021-08-14  |   |
| 2021-08-05 2021-08-06 2021-08-07 2021-08-08 2021-08-09 2021-08-10 2021-08-11 2021-08-12 2021-08-13 2021-08-14   |   |
| 2021-08-06     2021-08-07       2021-08-08     2021-08-09       2021-08-10     2021-08-11       2021-08-12     2021-08-13       2021-08-14     2021-08-14   |   |
| 2021-08-07       2021-08-08       2021-08-09       2021-08-10       2021-08-11       2021-08-12       2021-08-13       2021-08-14   |   |
| 2021-08-08  |   |
| 2021-08-09 2021-08-10 2021-08-11 2021-08-12 2021-08-13 2021-08-14   |   |
| 2021-08-10  |   |
| 2021-08-11  | 1                                       |
| 2021-08-12 2021-08-13 2021-08-14 |   |
| 2021-08-13<br>2021-08-14  |   |
| 2021-08-14  |   |
|   |   |
| 2021-08-15  |   |
| 2021-08-16  |   |
| 2021-08-17  |   |
| 2021-08-18  |   |
| 2021-08-19  |   |
| 2021-08-20  |   |
| 2021-08-21  |   |
| 2021-08-22  |   |
| 2021-08-23  |   |
| 2021-08-24  |   |
| 2021-08-25  |   |
| 2021-08-26  |   |
| 2021-08-27  |   |
| 2021-08-28  |   |
| 2021-08-29<br>2021-08-30  |   |
| 2021-08-31  |   |
|   |   |
| Minimum Marinum   | <br>                                    |
| Maximum Avarage   |   |
| Average   | 000000000000000000000000000000000000000 |
| Count   |   |
|   | Submission<br>Date/Time                 |
| original of Authorized flave personally examined and and  | vate/ infle                             |
| Representative familiar with the information  |   |
| submitted herein and based on my  |   |
| inquiry of those individuals  |   |
| immediately responsible for obtaining   | ertification                            |
| the information. I believe the  | ersion Date                             |
| Jeffrey submitted information is true, accurate   |   |
| Williamson and complete. I am aware that there  | 2021-09-                                |
| VVIIII all SOII   are significant penalties for submitting  | 20 10.00                                |
| false information, including the  | 20 10:09                                |
| possibility of fine and imprisonment.   |   |

Page 7

SUBMISSION ID:1082922STATUS:OriginalFACILITY:Emerald BioEnergyPERMIT NUMBER:4IN00204\*BDLOCATION:2881 Co Rd 156STATION CODE:602

Cardington, OH 43315 MONITORING PERIOD :

COUNTY: Morrow REPORTING LAB:
DISTRICT: CDO ANALYST:

NO DISCHARGE INDICATOR: AL

| PARAMETER CODE         99978         00400         00410         99980         72026           UNITS         F         S.U.         mg/l         mg/l         days   |   |   |          |   | NO                                      | D DISCHARGE I                           | NDICATOR:                                 | AL                                      |   |
|--|---|---|----------|---|---|---|---|---|---|
| CODE   99978   Cloud   Code   99980   72025  | PARAMETER                               | Temperatur<br>Sludge                    | e, In    | рН                                      | Alkalinity, Total<br>(CaCO3)            |   |   |   |   |
| FREQUENCY 1/Day 3/Week 3/Week 1/Week 2021-08-10 2021-08-01 2021-08-02 2021-08-03 2021-08-03 2021-08-04 2021-08-05 2021-08-05 2021-08-05 2021-08-06 2021-08-06 2021-08-07 2021-08-07 2021-08-08 2021-08 | PARAMETER<br>CODE                       | 99978                                   |          | 00400                                   | 00410                                   | 99980                                   | 72026                                     |   |   |
| SAMPLING TYPE  2021-08-01 2021-08-02 2021-08-03 2021-08-03 2021-08-04 2021-08-05 2021-08-06 2021-08-06 2021-08-06 2021-08-07 2021-08-06 2021-08-07 2021-08-07 2021-08-08 2021-08-11 2021-08-11 2021-08-11 2021-08-11 2021-08-13 2021-08-13 2021-08-13 2021-08-16 2021-08-16 2021-08-18 2021-08-20 2021-08-31 2021-08-32 2021-08-31 2021-08 | UNITS                                   | F                                       |          | S.U.                                    | mg/l                                    | mg/l                                    | days                                      |   |   |
| SAMPLING TYPE  2021-08-01 2021-08-02 2021-08-03 2021-08-03 2021-08-04 2021-08-05 2021-08-06 2021-08-06 2021-08-06 2021-08-07 2021-08-06 2021-08-07 2021-08-07 2021-08-08 2021-08-11 2021-08-11 2021-08-11 2021-08-11 2021-08-13 2021-08-13 2021-08-13 2021-08-16 2021-08-16 2021-08-18 2021-08-20 2021-08-31 2021-08-32 2021-08-31 2021-08 | FREQUENCY                               | 1/Day                                   |          | 3/Week                                  | 3/Week                                  | 3/Week                                  | 1/Week                                    |   |   |
| 2021-08-03   |   | Continuo                                | us       | Composite                               | Composite                               |   | Continuous                                |   |   |
| 2021-08-03   | 2021-08-01                              |   |          |   |   |   |   |   |   |
| 2021-08-04 2021-08-05 2021-08-07 2021-08-08 2021-08-09 2021-08-10 2021-08-10 2021-08-11 2021-08-12 2021-08-13 2021-08-14 2021-08-14 2021-08-15 2021-08-16 2021-08-17 2021-08-18 2021-08-18 2021-08-19 2021-08-19 2021-08-21 2021-08-22 2021-08-23 2021-08-24 2021-08-25 2021-08-26 2021-08-28 2021-08-28 2021-08-30 2021-09-30  |   |   |          |   |   |   |   |   |   |
| 2021-08-05 2021-08-06 2021-08-07 2021-08-09 2021-08-09 2021-08-10 2021-08-11 2021-08-11 2021-08-12 2021-08-13 2021-08-13 2021-08-14 2021-08-15 2021-08-16 2021-08-16 2021-08-18 2021-08-18 2021-08-18 2021-08-19 2021-08-21 2021-08-21 2021-08-21 2021-08-23 2021-08-23 2021-08-24 2021-08-25 2021-08-28 2021-08-30  |   |   |          |   |   |   |   |   |   |
| 2021-08-06 2021-08-08 2021-08-08 2021-08-09 2021-08-10 2021-08-11 2021-08-11 2021-08-12 2021-08-13 2021-08-15 2021-08-16 2021-08-15 2021-08-16 2021-08-16 2021-08-16 2021-08-17 2021-08-18 2021-08-19 2021-08-19 2021-08-19 2021-08-20 2021-08-22 2021-08-23 2021-08-23 2021-08-24 2021-08-25 2021-08-26 2021-08-27 2021-08-28 2021-08-28 2021-08-28 2021-08-29 2021-08-30 2021-08-29 2021-08-30 2021-08-29 2021-08-30 2021-08-29 2021-08-30 2021-08-29 2021-08-30 2021-09-30  |   |   |          |   |   |   |   |   |   |
| 2021-08-07 2021-08-09 2021-08-10 2021-08-11 2021-08-13 2021-08-13 2021-08-15 2021-08-15 2021-08-16 2021-08-16 2021-08-18 2021-08-18 2021-08-18 2021-08-18 2021-08-20 2021-08-20 2021-08-20 2021-08-22 2021-08-23 2021-08-23 2021-08-25 2021-08-25 2021-08-25 2021-08-28 2021-08-28 2021-08-29 2021-08-30  |   |   |          |   |   |   |   |   |   |
| 2021-08-08   |   |   |          |   | -                                       |   |   |   |   |
| 2021-08-09   2021-08-10   2021-08-10   2021-08-11   2021-08-13   2021-08-13   2021-08-16   2021-08-16   2021-08-16   2021-08-18   2021-08-18   2021-08-19   2021-08-21   2021-08-23   2021-08-23   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-28   2021-08-28   2021-08-29   2021-08-28   2021-08-29   2021-08-28   2021-08-31   Minimum   Maximum   Average   Court   Authorized Representative   Certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  |   |   |          |   |   | ~~~~~                                   |   |   |   |
| 2021-08-10 2021-08-11 2021-08-12 2021-08-13 2021-08-14 2021-08-15 2021-08-16 2021-08-17 2021-08-18 2021-08-18 2021-08-19 2021-08-20 2021-08-21 2021-08-21 2021-08-21 2021-08-23 2021-08-25 2021-08-26 2021-08-27 2021-08-28 2021-08-28 2021-08-29 2021-08-20 2021-08-20 2021-08-26 2021-08-27 2021-08-28 2021-08-28 2021-08-28 2021-08-30  |   | <b></b>                                 |          |   |   |   |   |   |   |
| 2021-08-11 2021-08-13 2021-08-16 2021-08-16 2021-08-16 2021-08-18 2021-08-18 2021-08-19 2021-08-20 2021-08-21 2021-08-21 2021-08-23 2021-08-25 2021-08-26 2021-08-26 2021-08-26 2021-08-26 2021-08-26 2021-08-26 2021-08-27 2021-08-28 2021-08-28 2021-08-28 2021-08-28 2021-08-28 2021-08-28 2021-08-28 2021-08-29 2021-08-30 2021-08-30 2021-08-30 2021-08-30 2021-09-30  |   | <b></b>                                 |          |   | -                                       | ~~~~                                    |   |   |   |
| 2021-08-12   2021-08-13   2021-08-14   2021-08-16   2021-08-16   2021-08-16   2021-08-17   2021-08-18   2021-08-19   2021-08-20   2021-08-22   2021-08-22   2021-08-22   2021-08-22   2021-08-23   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-26   2021-08-27   2021-08-28   2021-08-29   2021-08-30   202   |   |   |          |   |   |   |   |   |   |
| 2021-08-13   2021-08-14   2021-08-15   2021-08-16   2021-08-16   2021-08-18   2021-08-18   2021-08-20   2021-08-21   2021-08-22   2021-08-23   2021-08-23   2021-08-26   2021-08-26   2021-08-28   2021-08-29   2021-08-29   2021-08-30   202   |   |   |          |   |   |   |   |   |   |
| 2021-08-14   |   |   |          |   |   |   |   |   |   |
| 2021-08-15   |   |   |          |   |   |   |   |   |   |
| 2021-08-16   |   |   | <u>-</u> |   |   |   |   |   |   |
| 2021-08-18   |   |   | -        |   |   |   |   |   |   |
| 2021-08-18   |   | *************************************** |          |   |   |   |   |   |   |
| 2021-08-19   |   | *************************************** |          |   |   | *************************************** |   |   |   |
| 2021-08-23 2021-08-23 2021-08-24 2021-08-25 2021-08-26 2021-08-27 2021-08-28 2021-08-30 2021-08-30 2021-08-31 Minimum Maximum Average Count  Iame of Responsible of Count Immediately responsible of obtaining the information, I believe the submitted information, I believe the submitted information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  |   |   |          |   |   |   |   |   |   |
| 2021-08-22 2021-08-24 2021-08-25 2021-08-26 2021-08-28 2021-08-28 2021-08-30 2021-08-30 2021-08-31 Minimum Average Count Jame of Responsible of Certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the   | 2021-08-20                              |   |          |   |   |   |   |   |   |
| 2021-08-23 2021-08-25 2021-08-26 2021-08-27 2021-08-29 2021-08-30 2021-08-31  Minimum  Maximum  Average  Count  Iame of Responsible of Certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  | 2021-08-21                              |   |          |   |   |   |   |   |   |
| 2021-08-24 2021-08-25 2021-08-27 2021-08-28 2021-08-30 2021-08-31  Minimum  Maximum  Average  Count  Iame of Responsible official or Authorized Representative  Conticular of the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, i believe the submitted information, i believe the are significant penalties for submitting false information, including the  |   |   |          |   |   |   |   |   |   |
| 2021-08-25 2021-08-26 2021-08-28 2021-08-30 2021-08-31 Minimum Maximum Average Count  I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the   |   |   |          |   |   |   |   |   |   |
| 2021-08-26 2021-08-27 2021-08-28 2021-08-30 2021-08-31  Minimum  Maximum  Average  Count  Iame of Responsible I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the   |   |   |          |   |   |   |   |   |   |
| 2021-08-28 2021-08-30 2021-08-31 Minimum  Average Count  Iame of Responsible I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  Certification Version Date  Certification Version Date  2021-09- 20 10:09   |   |   |          |   |   |   |   |   |   |
| 2021-08-29 2021-08-30 2021-08-31 Minimum Maximum Average Count Idame of Responsible I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  |   |   |          |   |   |   |   |   |   |
| 2021-08-30 2021-08-31 Minimum Maximum Average Count Image of Responsible I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  Signature of Responsible Official or Authorized Representative  Certification Version Date 2021-09- 20 10:09  |   |   |          |   |   |   |   |   |   |
| 2021-08-30 2021-08-31  Minimum  Average Count  Iame of Responsible I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  |   |   |          |   | <b>-</b>                                |   |   |   |   |
| Minimum  Average Count  Iame of Responsible of Responsible of Representative  I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information, is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  |   |   |          |   | -                                       |   |   |   |   |
| Maximum  Average Count  I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  Signature of Responsible Official or Authorized Representative  Authorized Representative  Certification Version Date  2021-09- 20 10:09   |   |   |          |   | <b>-</b>                                |   |   |   |   |
| Average Count  Iame of Responsible I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  |   |   |          |   |   |   |   |   |   |
| Average Count  I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  Signature of Responsible Official or Authorized Representative  Authorized Representative  Certification Version Date 2021-09- 20 10:09   |   |   |          |   |   | *************************************** |   |   |   |
| I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the   |   |   |          |   |   |   |   |   |   |
| Jeffrey Williamson  I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the   | 000000000000000000000000000000000000000 |   |          | 000000000000000000000000000000000000000 | 300000000000000000000000000000000000000 | 000000000000000000000000000000000000000 |   | 000000000000000000000000000000000000000 | 000000000000000000000000000000000000000 |
| Authorized Representative  have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  |   | L                                       |          |   |   |   |   |   |   |
| Representative familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  |   |   |          |   |   |   |   |   |   |
| Jeffrey Williamson  Jeffrey Williamson  Jeffrey Williamson  Williamson  Jeffrey Williamson  Jeffrey Williamson  Jeffrey Williamson  Jeffrey Williamson  Jeffrey  Williamson  Jeffrey  Williamson  Jeffrey  Submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  Jeffrey  Submitted herein and based on my  Inquiry of those individuals  Immediately responsible for obtaining the  Certification  Version Date  2021-09-  20 10:09  |   | . 8.10                                  |          |   |   | Author                                  | izea Kepresent                            | ative                                   | Date/Time                               |
| Jeffrey Williamson  Inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  Certification Version Date  2021-09- 20 10:09   | kepresenta                              | gru.                                    |          |   |   |   |   |   |   |
| Jeffrey Williamson  immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  Certification Version Date  2021-09- 20 10:09  |   |   |          |   |   |   |   |   |   |
| Jeffrey Williamson the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  | www.coccoccoccoccosts                   |   |          |   |   |   | nuummuudoosoooooooooooooooooooooooooooooo |   |   |
| Jeffrey Williamson Williamson The information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  Version Date 2021-09- 20 10:09   |   | im                                      | media    | itely responsi                          | ble for obtaining                       | r <b> </b>                              |   |   | Cartification                           |
| Version Date  Submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the  2021-09- 20 10:09   |   | the                                     |          |   |   |   |   |   |   |
| Williamson and complete. I am aware that there are significant penalties for submitting false information, including the   | jettre                                  | <b>ey s</b> ui                          |          |   |   | е                                       |   |   |   |
| are significant penalties for submitting false information, including the  |   |   | d com    | plete. I am av                          | vare that there                         |   |   |   | 2021-0 <del>9</del> -                   |
| false information, including the   | vviillaili                              |   |          |   |   | <b>1</b>                                |   |   | 20.10.00                                |
|  |   |   |          |   |   | ĺ                                       |   |   | 20 10:09                                |
| appropriate to the thing of the |   |   |          |   |   |   |   |   |   |

Page 8

SUBMISSION ID:1082922STATUS:OriginalFACILITY:Emerald BioEnergyPERMIT NUMBER:4IN00204\*BDLOCATION:2881 Co Rd 156STATUON CODE:603

Cardington, OH 43315 MONITORING PERIOD :

COUNTY:MorrowREPORTING LAB:N/ADISTRICT:CDOANALYST:jeffrey williamson

NO DISCHARGE INDICATOR: AL

|                               |   |  | IN   | O DISCHARGE II                           | ADICATOR.                               | AL                                      |   |
|-------------------------------|---|--|--|--|---|---|---|
| PARAMETER                     | Solids, Total<br>Volatile   | Sludge Solids,<br>Percent<br>Volatile  | COD, Soluble   | Oil and Grease,<br>Hexane Extr<br>Method | Foreign Matter,<br>percent              |   |   |
| PARAMETER<br>CODE             | 00157   | 70322  | 80116  | 00552                                    | 99979                                   |   |   |
| UNITS                         | % Removed   | %  | mg/l   | mg/l                                     | %                                       |   |   |
| FREQUENCY                     | 1/Week  | 1/Week   | 1/Week   | 1/Month                                  | 1/Month                                 |   |   |
| SAMPLING                      |   |  |  |  |   |   |   |
| TYPE                          | Calculated  | Composite  | Composite  | Composite                                | Composite                               |   |   |
| 2021-08-01                    |   |  |  |  |   |   |   |
| 2021-08-02                    |   |  |  |  |   |   |   |
| 2021-08-03                    |   |  |  |  |   |   |   |
| 2021-08-04                    |   |  |  |  |   |   |   |
| 2021-08-05                    | ***************************************                               |  |  |  |   |   |   |
| 2021-08-06                    |   | <u> </u>   |  |  |   |   |   |
| 2021-08-07                    |   | <b></b>  |  |  |   |   |   |
| 2021-08-08                    |   | <b></b>  |  |  |   |   |   |
| 2021-08-09                    |   |  |  |  |   |   |   |
| 2021-08-10                    |   |  |  |  |   |   |   |
| 2021-08-11<br>2021-08-12      |   | <b> </b>   |  |  |   |   |   |
| 2021-08-12                    |   | <b>.</b>   |  |  |   |   |   |
| 2021-08-14                    |   | <b></b>  |  |  |   |   |   |
| 2021-08-15                    |   |  |  |  |   |   |   |
| 2021-08-16                    |   |  |  |  |   |   |   |
| 2021-08-17                    |   |  |  |  |   |   |   |
| 2021-08-18                    |   |  |  |  |   |   |   |
| 2021-08-19                    |   |  |  |  |   |   |   |
| 2021-08-20                    |   |  |  |  |   |   |   |
| 2021-08-21                    |   | <b></b>  |  |  |   |   |   |
| 2021-08-22                    |   | <b></b>  |  |  |   |   |   |
| 2021-08-23                    |   |  |  |  |   |   |   |
| 2021-08-24                    |   | <b></b>  |  |  |   |   |   |
| 2021-08-25                    |   |  |  |  |   |   |   |
| 2021-08-26                    |   | <u> </u>   |  |  |   |   |   |
| 2021-08-27<br>2021-08-28      |   | <b></b>  |  |  |   |   |   |
| 2021-08-29                    |   |  |  |  |   |   |   |
| 2021-08-29                    | ***************************************                               |  |  |  | *************************************** |   |   |
| 2021-08-31                    | ***************************************                               | <b></b>  |  |  |   |   |   |
| Minimum                       |   |  |  |  |   |   |   |
| Maximum                       |   |  |  | ***************************************  |   |   |   |
| Average                       |   |  |  |  |   | 000000000000000000000000000000000000000 |   |
| Count                         | 000000000000000000000000000000000000000                               |  |  | 000000000000000000000000000000000000000  | 000000000000000000000000000000000000000 | 000000000000000000000000000000000000000 | 200000000000000000000000000000000000000               |
|                               | ongible Transiti  | Conservations the second   |  | T Ciare - trans                          | f Responsible (                         | )66iaia! a                              | Submission  |
| Official or Aut<br>Representa | horized <sub>have p</sub><br>itive familia                            | fy under the per<br>personally exam<br>ar with the infor<br>tted herein and  | ined and am<br>mation  | Author                                   | ized Represent                          |   | Date/Time   |
| Jeffre<br>William             | inquir<br>immed<br>the inf<br>submit<br>and co<br>are sig<br>false in | y of those indivi-<br>liately responsil<br>formation, I beli-<br>ted information<br>implete. I am aw<br>pnificant penalti-<br>information, includity of fine and | iduals  ple for obtaining  eve the  is true, accurat  vare that there  es for submittin  uding the | е  |   |   | Certification<br>Version Date<br>2021-09-<br>20 10:09 |

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1082922 Emerald BioEnergy 2881 Co Rd 156 SUBMISSION ID: FACILITY: LOCATION:

Cardington, OH 43315

COUNTY: Morrow DISTRICT: CDO

STATUS: PERMIT NUMBER: STATION CODE: MONITORING PERIOD: Original **4!N00204\*BD** 

2021-08-01 To: 2021-08-31

Renergy Jeffrey williamson

ANALYST: NO DISCHARGE INDICATOR:

**REPORTING LAB:** 

|                                       |   |  | N                                       | O DISCHARGE II                          | NDICATOR:                         |   |   |
|---------------------------------------|---|--|---|---|-----------------------------------|---|---|
| PARAMETER                             | Freeboard                               | Maximum<br>Operating<br>Level (MOL),<br>Sludge |   |   |                                   |   |   |
| PARAMETER<br>CODE                     | 82564                                   | 99977  |   |   |                                   |   |   |
| UNITS                                 | feet                                    | mgals  |   |   |                                   |   |   |
| FREQUENCY                             | 1/Week                                  | 1/Week   |   |   |                                   |   |   |
| SAMPLING<br>TYPE                      | Total                                   | Total  |   |   |                                   |   |   |
| 2021-08-01                            |   |  |   |   |                                   |   |   |
| 2021-08-02                            |   |  |   |   |                                   |   |   |
| 2021-08-03                            |   |  |   |   |                                   |   |   |
| 2021-08-04                            |   |  |   |   |                                   |   |   |
| 2021-08-05                            |   |  |   |   |                                   |   |   |
| 2021-08-06<br>2021-08-07              |   | 000  |   |   |                                   |   |   |
| 2021-08-08                            |   | -  |   |   |                                   | •••••                                   |   |
| 2021-08-09                            | 3950000                                 | 5.48507  |   |   |                                   |   |   |
| 2021-08-10                            |   |  |   |   |                                   |   |   |
| 2021-08-11                            |   |  |   |   |                                   |   |   |
| 2021-08-12                            |   |  |   |   |                                   |   |   |
| 2021-08-13                            |   |  |   |   |                                   |   |   |
| 2021-08-14                            | 3050000                                 | F 40507  |   |   |                                   |   |   |
| 2021-08-15<br>2021-08-16              | 3950000                                 | 5.48507  |   |   |                                   |   |   |
| 2021-08-16                            |   | <u> </u>                                       |   |   |                                   |   |   |
| 2021-08-18                            | *************************************** | -  | *************************************** | *************************************** | •                                 |   |   |
| 2021-08-19                            |   | -  |   |   |                                   |   |   |
| 2021-08-20                            |   |  |   |   |                                   |   |   |
| 2021-08-21                            |   |  |   |   |                                   |   |   |
| 2021-08-22                            |   |  |   |   |                                   |   |   |
| 2021-08-23                            | 4400000                                 | 5.48507  |   |   |                                   |   |   |
| 2021-08-24                            |   |  |   |   |                                   |   |   |
| 2021-08-25                            |   | <u> </u>                                       |   |   |                                   |   |   |
| 2021-08-26<br>2021-08-27              |   | <b>1</b>                                       |   |   |                                   |   |   |
| 2021-08-28                            |   | ***************************************        |   | *************************************** |                                   |   |   |
| 2021-08-29                            |   | •  |   |   |                                   |   |   |
| 2021-08-30                            |   |  |   |   |                                   |   |   |
| 2021-08-31                            | 4400000                                 | 5.48507  |   |   |                                   |   |   |
| Minimum                               | 3950000.0                               |  |   |   |                                   |   |   |
| Maximum                               | 4400000.0                               |  |   |   |                                   |   |   |
| Average                               | 4175000                                 |  |   | 200000000000000000000000000000000000000 |                                   | 000000000000000000000000000000000000000 |   |
| Count                                 | 4                                       |  |   |   |                                   |   |   |
| Name of Responder<br>Official or Auth |   |  | nalty of law that                       | I Signature o                           | f Responsible (<br>ized Represent | Official or                             | Submission<br>Date/Time                 |
| Representa                            | - Brice 4 C                             | personally exam                                |   | Author                                  | ren vehiesell                     | arive                                   | mercentary 1 1111 to                    |
| napieseilla                           | år (viiiii)                             | ar with the infor                              |   |   |                                   |   |   |
| a                                     |   | tted herein and                                |   |   |                                   |   | *************************************** |
|                                       | inquir                                  | y of those indiv                               | iuudis<br>bla fan abtainin:             | .                                       |                                   |   |   |
|                                       |   |  | ble for obtaining                       | <b>,</b>                                |                                   |   | Certification                           |
| Jeffre                                | une ini                                 | formation, I beli                              |   |   |                                   |   | Version Date                            |
|                                       |   |  | is true, accurat                        | <b>C</b>                                |                                   |   | 2021-09-                                |
| Williams                              |   | mplete. I am aw                                |   | a <b>1</b>                              |                                   |   | LULL-UJ"                                |
|                                       | are sir                                 |  | es for submitting                       | 9                                       |                                   |   | 20 10:09                                |
|                                       |   | nformation, incl<br>vility of fine and         |   |   |                                   |   |   |
|                                       | iDOSSID                                 | unta of this and                               | miprisonment,                           |   |                                   |   | *************************************** |

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SUBMISSION ID:1082922STATUS:FACILITY:Emerald BioEnergyPERMIT NUMBER:LOCATION:2881 Co Rd 156STATION CODE:

Cardington, OH 43315 MONITORING PERIOD :

COUNTY:MorrowREPORTING LAB:RenergyDISTRICT:CDOANALYST:Jeffrey williamson

NO DISCHARGE INDICATOR:

Original **4!N00204\*BD** 

|                          |                        |  | N                                       | D DISCHARGE II                          | NDICATOR:                               |   |   |
|--------------------------|------------------------|--|---|---|---|---|---|
| PARAMETER                | Freeboard              | Maximum<br>Operating<br>Level (MOL),<br>Sludge |   |   |   |   |   |
| PARAMETER<br>CODE        | 82564                  | 99977  |   |   |   |   |   |
| UNITS                    | feet                   | mgals  |   |   |   |   |   |
| FREQUENCY                | 1/Week                 | 1/Week   |   |   |   |   |   |
| SAMPLING<br>TYPE         | Total                  | Total  |   |   |   |   |   |
| 2021-08-01               |                        |  |   |   |   |   |   |
| 2021-08-02               |                        |  |   |   |   |   |   |
| 2021-08-03               |                        |  |   |   |   |   |   |
| 2021-08-04               |                        |  |   |   |   |   |   |
| 2021-08-05               |                        | -  |   |   |   |   |   |
| 2021-08-06               |                        | <u> </u>                                       |   |   |   |   |   |
| 2021-08-07<br>2021-08-08 |                        | -  |   | *************************************** |   |   |   |
| 2021-08-09               | 285000                 | .38769   |   | *************************************** |   |   |   |
| 2021-08-10               |                        | 1,   |   |   |   |   |   |
| 2021-08-11               |                        |  |   |   |   |   |   |
| 2021-08-12               |                        |  |   |   |   |   |   |
| 2021-08-13               |                        |  |   |   |   |   |   |
| 2021-08-14               |                        |  |   |   |   |   |   |
| 2021-08-15               | 285000                 | .38769   |   |   |   |   |   |
| 2021-08-16               |                        | <b></b>  |   | *************************************** |   |   |   |
| 2021-08-17               |                        | <b>.</b>                                       |   |   |   |   |   |
| 2021-08-18<br>2021-08-19 |                        |  |   | *************************************** |   |   |   |
| 2021-08-20               |                        |  |   |   |   |   |   |
| 2021-08-21               |                        | <u> </u>                                       |   |   |   |   |   |
| 2021-08-22               |                        |  |   |   |   |   |   |
| 2021-08-23               | 310500                 | .38769   |   |   |   |   |   |
| 2021-08-24               |                        |  |   |   |   |   |   |
| 2021-08-25               |                        |  |   |   |   |   |   |
| 2021-08-26               |                        | <b></b>  |   | *************************************** |   |   |   |
| 2021-08-27               |                        | -  |   |   |   |   |   |
| 2021-08-28<br>2021-08-29 |                        |  |   |   |   |   |   |
| 2021-08-29               |                        | <b>-</b>                                       |   |   |   |   |   |
| 2021-08-31               | 320000                 | .38769   |   |   |   |   |   |
| Minimum                  | 285000.0               |  |   |   |   |   |   |
| Maximum                  | 320000.0               |  |   | *************************************** |   |   |   |
| Average                  | 300125                 |  |   |   |   |   |   |
| Count                    | 4                      | 000000000000000000000000000000000000000        | 000000000000000000000000000000000000000 |   |   | 000000000000000000000000000000000000000 | 000000000000000000000000000000000000000 |
| Name of Respo            | <b>onsible</b> I certi | fy under the per                               | alty of law that                        | I Signature o                           | f Responsible (                         | Official or                             | Submission                              |
| Official or Auth         |                        | personally exam                                |   | Author                                  | ized Represent                          |   | Date/Time                               |
| Representa               |                        | ar with the infor                              |   |   | •                                       |   |   |
|                          |                        | tted herein and                                |   |   |   |   |   |
|                          |                        | y of those indiv                               |   |   | *************************************** |   |   |
|                          | imme                   | diately responsil                              | ble for obtaining                       | , <b>I</b>                              |   |   | Cautification                           |
|                          | the int                | formation, I beli                              |   |   |   |   | Certification<br>Version Date           |
| Jeffre                   | V submi                | tted information                               |   | e                                       |   |   |   |
| Williams                 |                        | omplete. I am aw                               |   |   |   |   | 2021-09-                                |
| vviiiidilis              |                        | gnificant penalti                              |   | g <b>I</b>                              |   |   | 20.20.00                                |
|                          |                        | nformation, incl                               |   |   |   |   | 20 10:09                                |
|                          |                        | oility of fine and                             |   |   |   |   |   |

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SUBMISSION ID: 1082922
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156

Cardington, OH 43315

COUNTY: Morrow DISTRICT: CDO

STATUS: PERMIT NUMBER: STATION CODE: MONITORING PERIOD:

**REPORTING LAB:** 

ANALYST:

Original **4IN00204\*BD** 

606

2021-08-01 To: 2021-08-31

Renergy Jeffrey williamson

| PARAMETER  | Freeboard                               | Maximum<br>Operating<br>Level (MOL),<br>Sludge |                   |   |   |   |   |
|--|---|--|-------------------|---|---|---|---|
| PARAMETER<br>CODE  | 82564                                   | 99977  |                   |   |   |   |   |
| UNITS  | feet                                    | mgals  |                   |   |   |   |   |
| FREQUENCY  | 1/Week                                  | 1/Week   |                   |   |   |   |   |
| SAMPLING<br>TYPE   | Total                                   | Total  |                   |   |   |   |   |
| 2021-08-01   |   |  |                   |   |   |   |   |
| 2021-08-02   |   |  |                   |   |   |   |   |
| 2021-08-03   |   |  |                   |   |   |   |   |
| 2021-08-04   |   |  |                   |   |   |   |   |
| 2021-08-05<br>2021-08-06                                 |   | <b></b>  |                   |   |   |   |   |
| 2021-08-07   |   |  |                   |   |   |   |   |
| 2021-08-08   | *************************************** | <b>\$</b>                                      |                   | *************************************** |   |   |   |
| 2021-08-09   | 250000                                  | .33176   |                   |   |   |   |   |
| 2021-08-10   |   |  |                   | *************************************** |   |   |   |
| 2021-08-11   |   |  |                   |   |   |   |   |
| 2021-08-12   |   |  |                   |   |   |   |   |
| 2021-08-13   |   | <u> </u>                                       |                   |   |   |   |   |
| 2021-08-14   |   |  |                   |   |   |   |   |
| 2021-08-15   | 250000                                  | .33176   |                   |   |   |   |   |
| 2021-08-16   |   | <b></b>  |                   |   |   |   |   |
| 2021-08-17<br>2021-08-18                                 | *************************************** | <b></b>  |                   | *************************************** |   |   |   |
| 2021-08-19   |   | <b></b>  |                   |   |   |   |   |
| 2021-08-20   |   |  |                   |   |   |   |   |
| 2021-08-21   |   |  |                   |   |   |   |   |
| 2021-08-22   |   |  |                   |   |   |   |   |
| 2021-08-23   | 375000                                  | .33176   |                   |   |   |   |   |
| 2021-08-24   |   |  |                   |   |   |   |   |
| 2021-08-25   |   | <u> </u>                                       |                   |   |   |   |   |
| 2021-08-26   |   | <b>-</b>                                       |                   |   |   |   |   |
| 2021-08-27   |   | <u> </u>                                       |                   |   |   |   |   |
| 2021-08-28<br>2021-08-29                                 |   | <b>-</b>                                       |                   |   |   |   |   |
| 2021-08-29   |   | <u> </u>                                       |                   |   |   |   |   |
| 2021-08-31   | 375000                                  | .33176   |                   | *************************************** |   |   |   |
| Minimum  | 250000.0                                |  |                   |   |   |   |   |
| Maximum  | 375000.0                                |  |                   | *************************************** |   |   |   |
| Average  | 312500                                  |  |                   |   |   |   |   |
| Count  | 4.                                      |  |                   | *************************************** | 300000000000000000000000000000000000000 | 000000000000000000000000000000000000000 | 000100000000000000000000000000000000000 |
| Name of Respo  | <b>nsible</b> I certi                   | fy under the ner                               | nalty of law that | I Signature o                           | f Responsible                           | Official or                             | Submission                              |
| Official or Autho  |   | personally exam                                |                   | Author                                  | ized Represent                          | ative                                   | Date/Time                               |
| Representati   | Surrer s o b                            | ar with the info                               | mation            |   |   |   |   |
| <del>.</del>   | St.CTITITIO                             | tted herein and                                |                   |   |   |   |   |
| R6000180610018150001817400001816000018160001817400018174 |   | y of those indiv                               |                   |   |   |   |   |
|  |   |  | ble for obtaining |   |   |   |   |
|  | the inf                                 | formation, I beli                              |                   | '                                       |   |   | Certification                           |
| Jeffrey  | / submit                                |  | is true, accurat  | e.                                      |   |   | <b>Version Date</b>                     |
|  |   | mplete. I am aw                                |                   |   |   |   | 2021-09-                                |
| Williams   |   |  | es for submittin  | 7                                       |   |   |   |
|  |   | nformation, incl                               |                   |   |   |   | 20 10:09                                |
|  |   | ility of fine and                              |                   | 1                                       |   |   |   |

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SUBMISSION ID:1082922STATUS:FACILITY:Emerald BioEnergyPERMIT NUMBER:LOCATION:2881 Co Rd 156STATION CODE:

Cardington, OH 43315

COUNTY: Morrow DISTRICT: CDO

STATUS: Original
PERMIT NUMBER: 4IN00204\*BD
STATION CODE: 607
MONITORING PERIOD:

2021-08-01 To: 2021-08-31

REPORTING LAB: Renergy
ANALYST: Jeffrey williamson

NO DISCHARGE INDICATOR:

|                                      | NO DISCHARGE INDICATOR: |   |   |   |   |   |   |  |
|--------------------------------------|-------------------------|---|---|---|---|---|---|--|
| PARAMETER                            | Freeboard               | Maximum<br>Operating<br>Level (MOL),<br>Sludge  |   |   |   |   |   |  |
| PARAMETER<br>CODE                    | 82564                   | 99977   |   |   |   |   |   |  |
| UNITS                                | feet                    | mgals   |   |   |   |   |   |  |
| FREQUENCY                            | 1/Week                  | 1/Week  |   |   |   |   |   |  |
| SAMPLING<br>TYPE                     | Total                   | Total   |   |   |   |   |   |  |
| 2021-08-01                           |                         |   |   |   |   |   |   |  |
| 2021-08-02                           |                         |   |   |   |   |   |   |  |
| 2021-08-03                           |                         |   |   |   |   |   |   |  |
| 2021-08-04                           |                         |   |   |   |   |   |   |  |
| 2021-08-05                           |                         | -   |   |   |   |   |   |  |
| 2021-08-06                           |                         | <u> </u>  |   |   |   |   |   |  |
| 2021-08-07<br>2021-08-08             |                         | -   |   | *************************************** |   |   |   |  |
| 2021-08-09                           | 2650000                 | 2.85714   |   | *************************************** |   |   |   |  |
| 2021-08-10                           |                         | 1 2:00/27   |   |   |   |   |   |  |
| 2021-08-11                           |                         |   |   |   |   |   |   |  |
| 2021-08-12                           |                         |   |   |   |   |   |   |  |
| 2021-08-13                           |                         |   |   |   |   |   |   |  |
| 2021-08-14                           |                         |   |   |   |   |   |   |  |
| 2021-08-15                           | 2550000                 | 2.85714   |   |   |   |   |   |  |
| 2021-08-16                           |                         | <b></b>   |   | *************************************** |   |   |   |  |
| 2021-08-17                           |                         | <b>.</b>  |   |   |   |   |   |  |
| 2021-08-18<br>2021-08-19             |                         |   |   | *************************************** |   |   |   |  |
| 2021-08-20                           |                         |   |   |   |   |   |   |  |
| 2021-08-21                           |                         | <u> </u>  |   |   |   |   |   |  |
| 2021-08-22                           |                         |   |   |   |   |   |   |  |
| 2021-08-23                           | 2550000                 | 2.85714   |   |   |   |   |   |  |
| 2021-08-24                           |                         |   |   |   |   |   |   |  |
| 2021-08-25                           |                         |   |   |   |   |   |   |  |
| 2021-08-26                           |                         | <b></b>   |   | *************************************** |   |   |   |  |
| 2021-08-27                           |                         | -   |   |   |   |   |   |  |
| 2021-08-28<br>2021-08-29             |                         |   |   |   |   |   |   |  |
| 2021-08-29                           |                         | <b>-</b>  |   |   |   |   |   |  |
| 2021-08-31                           | 2550000                 | 2.85714   |   |   |   |   |   |  |
| Minimum                              | 2550000.0               |   |   |   |   |   |   |  |
| Maximum                              | 2650000.0               |   |   | *************************************** |   |   |   |  |
| Average                              | 2575000                 |   |   |   |   |   |   |  |
| Count                                | 4                       |   | 000000000000000000000000000000000000000 |   | *************************************** | 000000000000000000000000000000000000000 | 000000000000000000000000000000000000000 |  |
| Name of Respo                        |                         | fy under the per<br>personally exam   |   | I Signature o                           | f Responsible (<br>ized Represent       |   | Submission<br>Date/Time                 |  |
| Representa                           | tive familia            | ar with tȟe infor   | mation                                  | 74411011                                | a Napieselle                            |   |   |  |
|                                      |                         | tted herein and   |   |   | *************************************** |   | *************************************** |  |
|                                      | inquir                  | y of those indivi   | lauais                                  |   |   |   |   |  |
| the inf                              |                         | ediately responsible for obtaining<br>nformation, I believe the<br>nitted information is true, accurate |   |   |   |   |   |  |
|                                      |                         |   |   |   | Certification<br>Version Date           |   |   |  |
| Jeffre                               | - 9 1                   |   |   | e <b>I</b>                              |   |   |   |  |
| Williams                             |                         | omplete. I am aw  |   |   |   |   | 2021-09-                                |  |
| AAIIII CIII.                         | false i                 | nformation, incl  |   | J                                       |   |   | 20 10:09                                |  |
| ************************************ |                         | oility of fine and  |   |   |   |   | *************************************** |  |

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SUBMISSION ID: 1082922
FACILITY: Emerald BioEnergy
LOCATION: 2881 Co Rd 156

Cardington, OH 43315

COUNTY: Morrow DISTRICT: CDO

STATUS: PERMIT NUMBER: STATION CODE: MONITORING PERIOD:

**REPORTING LAB:** 

ANALYST:

Original 4IN00204\*BD

608

2021-08-01 To: 2021-08-31

Renergy Jeffrey williamson

NO DISCHARGE INDICATOR:

|   | NO DISCHARGE INDICATOR:                              |  |   |                          |   |   |   |  |
|---|--|--|---|--------------------------|---|---|---|--|
| PARAMETER   | Freeboard  | Maximum<br>Operating<br>Level (MOL),<br>Sludge                               |   |                          |   |   |   |  |
| PARAMETER<br>CODE   | 82564  | 99977  |   |                          |   |   |   |  |
| UNITS   | feet   | mgals  |   |                          |   |   |   |  |
| FREQUENCY   | 1/Week   | 1/Week   |   |                          |   |   |   |  |
| SAMPLING<br>TYPE  | Total  | Total  |   |                          |   |   |   |  |
| 2021-08-01  |  |  |   |                          |   |   |   |  |
| 2021-08-02  |  |  |   |                          |   |   |   |  |
| 2021-08-03  |  |  |   |                          |   |   |   |  |
| 2021-08-04  |  |  |   |                          |   |   |   |  |
| 2021-08-05  |  | -  |   |                          |   |   |   |  |
| 2021-08-06<br>2021-08-07  |  | -  |   |                          |   |   |   |  |
| 2021-08-08  |  | -  |   |                          |   |   |   |  |
| 2021-08-09  | 1310000  | 1.36200  |   |                          |   |   | ***************************************               |  |
| 2021-08-10  |  |  |   |                          |   |   |   |  |
| 2021-08-11  | -  |  |   |                          |   |   |   |  |
| 2021-08-12  |  | -  |   |                          |   |   |   |  |
| 2021-08-13<br>2021-08-14  |  |  |   |                          |   |   |   |  |
| 2021-08-15  | 1228000  | 1.36200  |   |                          |   |   |   |  |
| 2021-08-16  | ILLUUUU  | 1.30200  |   |                          |   |   |   |  |
| 2021-08-17  |  |  |   |                          |   |   |   |  |
| 2021-08-18  |  |  |   |                          | ************************************    |   |   |  |
| 2021-08-19  |  | <u> </u>   |   |                          |   |   |   |  |
| 2021-08-20  |  |  |   |                          |   |   |   |  |
| 2021-08-21<br>2021-08-22  |  |  |   |                          |   |   |   |  |
| 2021-08-23  | 1225000  | 1.36200  |   |                          |   |   |   |  |
| 2021-08-24  |  |  |   |                          |   |   |   |  |
| 2021-08-25  |  |  |   |                          |   |   |   |  |
| 2021-08-26  |  | <b></b>  |   |                          |   |   |   |  |
| 2021-08-27  |  |  |   |                          |   |   |   |  |
| 2021-08-28<br>2021-08-29  |  | 8  |   |                          |   |   |   |  |
| 2021-08-30  |  | <del> </del>   |   |                          |   |   |   |  |
| 2021-08-31  | 1225000  | 1.36200  |   |                          |   |   |   |  |
| Minimum   | 1225000.0  |  |   |                          |   |   |   |  |
| Maximum   | 1310000.0  |  |   |                          |   |   |   |  |
| Average   | 1247000  |  |   |                          | *************************************** | 000000000000000000000000000000000000000 | 300000000000000000000000000000000000000               |  |
| Count   | 4  |  |   |                          |   |   |   |  |
| Name of Respo<br>Official or Auth<br>Representa   | norized <sub>have p</sub><br>tive <sub>familia</sub> | fy under the per<br>personally exam:<br>ar with the infor<br>tted herein and | ined and am<br>mation   | I Signature o<br>Authori | f Responsible (<br>ized Represent       |   | Submission<br>Date/Time                               |  |
| inquiry of those individuals immediately responsible for of the information, I believe the submitted information is true, and complete. I am aware that are significant penalties for structure false information, including the possibility of fine and imprison |  |  | ble for obtaining<br>eve the<br>is true, accurat<br>vare that there<br>es for submitting<br>uding the | Э                        |   |   | Certification<br>Version Date<br>2021-09-<br>20 10:09 |  |

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1082922 Emerald BioEnergy 2881 Co Rd 156 SUBMISSION ID: FACILITY: LOCATION:

Cardington, OH 43315

COUNTY: Morrow DISTRICT: CDO

STATUS: PERMIT NUMBER: STATION CODE: MONITORING PERIOD:

**REPORTING LAB:** 

ANALYST:

Original **4!N00204\*BD** 

2021-08-01 To: 2021-08-31

Renergy Jeffrey williamson

NO DISCHARGE INDICATOR:

|                          | NO DISCHARGE INDICATOR:                 |  |   |   |   |  |   |  |  |
|--------------------------|---|--|---|---|---|--|---|--|--|
| PARAMETER                | Freeboard                               | Maximum<br>Operating<br>Level (MOL),<br>Sludge |   |   |   |  |   |  |  |
| PARAMETER<br>CODE        | 82564                                   | 99977  |   |   |   |  |   |  |  |
| UNITS                    | feet                                    | mgals  |   |   |   |  |   |  |  |
| FREQUENCY                | 1/Week                                  | 1/Week   |   |   |   |  |   |  |  |
| SAMPLING<br>TYPE         | Total                                   | Total  |   |   |   |  |   |  |  |
| 2021-08-01               |   |  |   |   |   |  |   |  |  |
| 2021-08-02               |   | 1  |   |   |   |  |   |  |  |
| 2021-08-03               |   |  |   |   |   |  |   |  |  |
| 2021-08-04               |   |  |   |   |   |  |   |  |  |
| 2021-08-05               |   |  |   |   |   |  |   |  |  |
| 2021-08-06               |   | -  |   |   |   |  |   |  |  |
| 2021-08-07               |   | -  |   |   |   |  |   |  |  |
| 2021-08-08<br>2021-08-09 | 20.76000                                | 20.76969                                       |   | *************************************** |   |  |   |  |  |
| 2021-08-10               | 20.70000                                | 20,70303                                       |   |   |   |  |   |  |  |
| 2021-08-11               |   |  |   |   |   |  |   |  |  |
| 2021-08-12               |   |  |   |   |   |  |   |  |  |
| 2021-08-13               |   |  |   |   |   |  |   |  |  |
| 2021-08-14               |   |  |   |   |   |  |   |  |  |
| 2021-08-15               | 20.76000                                | 20.76969                                       |   |   |   |  |   |  |  |
| 2021-08-16               | *************************************** | <b></b>  |   | *************************************** |   |  |   |  |  |
| 2021-08-17               |   | <u> </u>                                       |   |   |   |  |   |  |  |
| 2021-08-18<br>2021-08-19 |   | -  |   | *************************************** |   |  |   |  |  |
| 2021-08-20               |   | -  |   |   |   |  |   |  |  |
| 2021-08-21               |   |  |   |   |   |  |   |  |  |
| 2021-08-22               |   |  |   |   |   |  |   |  |  |
| 2021-08-23               | 20.76968                                | 20.76969                                       |   |   |   |  |   |  |  |
| 2021-08-24               |   |  |   |   |   |  |   |  |  |
| 2021-08-25               |   | <b>_</b>                                       |   |   |   |  |   |  |  |
| 2021-08-26               |   | <b>_</b>                                       |   |   |   |  |   |  |  |
| 2021-08-27               |   | -  |   |   |   |  |   |  |  |
| 2021-08-28<br>2021-08-29 |   | -  |   |   |   |  |   |  |  |
| 2021-08-30               |   | 1  |   | *************************************** |   |  |   |  |  |
| 2021-08-31               | 20.76969                                | 20.76969                                       |   |   |   |  |   |  |  |
| Minimum                  | 20.76                                   |  |   |   |   |  |   |  |  |
| Maximum                  | 20.76969                                |  |   |   |   |  |   |  |  |
| Average                  | 20.76484                                |  |   |   |   |  |   |  |  |
| Count                    | 4                                       | 000000000000000000000000000000000000000        | 000000000000000000000000000000000000000 | *************************************** |   |  | 000000000000000000000000000000000000000 |  |  |
| Name of Respo            | onsible I certi                         | fy under the per                               | nalty of law that                       | I Signature o                           | f Responsible (                         |  | Submission                              |  |  |
| Official or Auth         | norized have p                          | personally exam                                |   | _ Author                                | ized Represent                          |  | Date/Time                               |  |  |
| Representa               |   | ar with the infor                              |   |   |   |  |   |  |  |
|                          | submi                                   | tted herein and                                | based on my                             |   |   |  |   |  |  |
|                          | inquir                                  | y of those indiv                               | iduals                                  |   | 986608880868888888888888888888888888888 |  |   |  |  |
|                          | immed                                   | diately responsi                               | ble for obtaining                       | ſ                                       |   |  | Certification                           |  |  |
| the inf                  |   | nformation, I believe the                      |   |   |   |  |   |  |  |
| Jeffre                   | y submi                                 |  | is true, accurat                        | e                                       |   |  | Version Date                            |  |  |
| Williams                 | and co                                  | omplete. I am aw                               |   |   |   |  | 2021-09-                                |  |  |
| vviillaill               | ar e sif                                |  | es for submittin                        | g                                       |   |  | 20 10:09                                |  |  |
|                          |   | nformation, incl                               |   |   |   |  | 20 10.03                                |  |  |
|                          | possib                                  | <u>ility of fine and</u>                       | imprisonment.                           |   |   |  |   |  |  |

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FACILITY: LOCATION: Emerald BioEnergy 2881 Co Rd 156 PERMIT NUMBER: MONITORING PERIOD: 4IN00204\*BD

2021-08-01 To: 2021-08-31

Cardington, OH 43315

### **PARAMETER COMMENTS:**

| Station Code Parameter Code Date Unit Comment |  |
|---|--|
|---|--|